

IN THE CLAIMS:

1. (currently amended) A hot plugging device for an optical transceiver module, comprising:

a module housing for insertion into a structure that surrounds said module housing and has a latch;

at least one latching groove extended from a prescribed position on a side of the module housing toward one end of the module housing;

at least one sliding member extended in the longitudinal direction of the module housing and linearly movably accommodated in the latching groove; and

a rotating member rotatably attached to one end of the module housing for engaging an end of the sliding member with a corresponding end of the latching groove, the rotation into engagement being operable to urge said latch out of engagement with the latching groove.

2. (currently amended) The device as set forth in claim 1, wherein said at least one latching groove comprises latching grooves extending—extend from prescribed positions on both sides of the module housing toward said one end of the module housing, and wherein said at least one sliding member comprises sliding

members extended in ~~the~~said longitudinal direction of the module housing and linearly movably ~~accommodate~~accommodated in the latching grooves, respectively.

3. (currently amended) The device as set forth in claim 2, wherein the module housing has a bottom surface, and sidewalls upwardly extending from ~~the~~respective edges of both sides of the bottom surface, and wherein each of the latching grooves comprises:

an engaging groove, of a prescribed length, depressed to a prescribed depth on the sidewalls of the module housing; and

an actuating groove extended from the end of the engaging groove ~~to~~toward one end of the module housing.

4. (original) The device as set forth in claim 2, wherein each of the sliding members has one end moving close to or away from one end of the module housing, and the other end approaching the end of the corresponding latching groove or engaged in the end of the corresponding latching groove as the sliding members are linearly moved.

5. (currently amended) The device as set forth in claim 2, wherein the rotating member comprises:

rotating bodies rotatably attached to said both sides of the module housing, respectively, for pushing the sliding members, the rotating bodies being close to the outer ends of the sliding members;

linking parts extended from the rotating bodies, respectively, ~~while the~~said linking parts ~~are~~being opposite to each other and disposed commonly in one direction; and

a holding part for connecting the ends of ~~the~~ linking parts to each other.

6. (original) The device as set forth in claim 5, wherein each of the rotating bodies has a push arm for pushing one end of each of the sliding members at a prescribed angle so that the other end of each of the sliding members is engaged with the corresponding latching groove.

7. (currently amended) The device as set forth in claim 5, wherein the rotating bodies push the sliding members so that the other end of each of the sliding members is engaged with the corresponding latching groove when the linking parts are placed in parallel with said~~the~~ longitudinal direction of the module housing.

8. (currently amended) The device as set forth in claim 1, wherein the rotating member engages ~~the~~said end of the sliding member with ~~the~~said corresponding end of the latching grooves, ~~respectively, while~~groove as a result of the rotating member is being placed at a prescribed angle to ~~the~~said longitudinal direction of the module housing.

9. (original) A hot plugging device for an optical transceiver module, comprising:
a cage mountable on a host board, the cage having latches extended from the inner sides thereof, respectively, and gradually spaced apart from the inner sides thereof in the longitudinal direction of the cage, the latches being elastically deformed;

a module housing inserted into the cage in the longitudinal direction of the cage and having latching grooves formed at the outer sides thereof so that the latches of the cage are engaged in the ends of the latching grooves, respectively;

sliding members extended in the longitudinal direction of the module housing and linearly movably accommodated in the latching grooves, respectively; and

a rotating member rotatably attached to one end of the module housing for pushing one end of each of the sliding members so that the other end of each of the sliding members is engaged with the end of the corresponding latching groove while the rotating member is placed at a prescribed angle to the module housing, wherein

the latches are disengaged from the corresponding latching grooves as the other

end of each of the sliding members is engaged with the end of the corresponding latching groove.

10. (currently amended) The device as set forth in claim 9, wherein the latches are symmetrically formed at ~~said the opposite~~ inner sides of the cage, said inner sides being mutually opposite.

11. (currently amended) The device as set forth in claim 9, wherein the rotating member comprises:

rotating bodies rotatably attached to both sides of the module housing, respectively, for pushing the sliding members, the rotating bodies being ~~close to~~ located at the outer ends of the respective sliding members;

linking parts extended from the rotating bodies, respectively, ~~while the said~~ linking parts ~~are~~ being opposite to each other and disposed in one direction; and

a holding part for connecting ~~the~~ ends of the linking parts to each other.

12. (original) The device as set forth in claim 11, wherein each of the rotating bodies has a push arm for pushing one end of each of the sliding members at a prescribed angle so that the other end of each of the sliding members is engaged with the

corresponding latching groove.

13. (currently amended) The device as set forth in claim 11, wherein the rotating bodies push the sliding members so that the other end of each of the sliding members is engaged with the corresponding latching groove when the linking parts are placed in parallel with said~~the~~ longitudinal direction of the module housing.

14. (currently amended) A device for an optical transceiver module, comprising:
a module housing having a side that has at least one groove along the side; and
a locking unit coupled to the module housing including at least one sliding member linearly movably accommodated in the latching groove and a rotating member arranged to ~~move~~push the sliding member to disengage the module housing from an outer structure.

15. (original) The device as set forth in claim 14, wherein the module housing is insertable in a cage and the locking unit locks and releases the module housing in and from the cage.

16. (new) The device of claim 1, configured such that a sliding member of said at least one sliding member performs the urging out of engagement by pushing toward the an end of the module housing opposite to said one end.

17. (new) The device of claim 9, configured such that said pushing pushes said each of the sliding members toward the an end of the module housing opposite to said one end.

18. (new) The device of claim 9, configured such that said pushing transitions said module housing from a state of engagement by said latches into a state of disengagement from said latches.